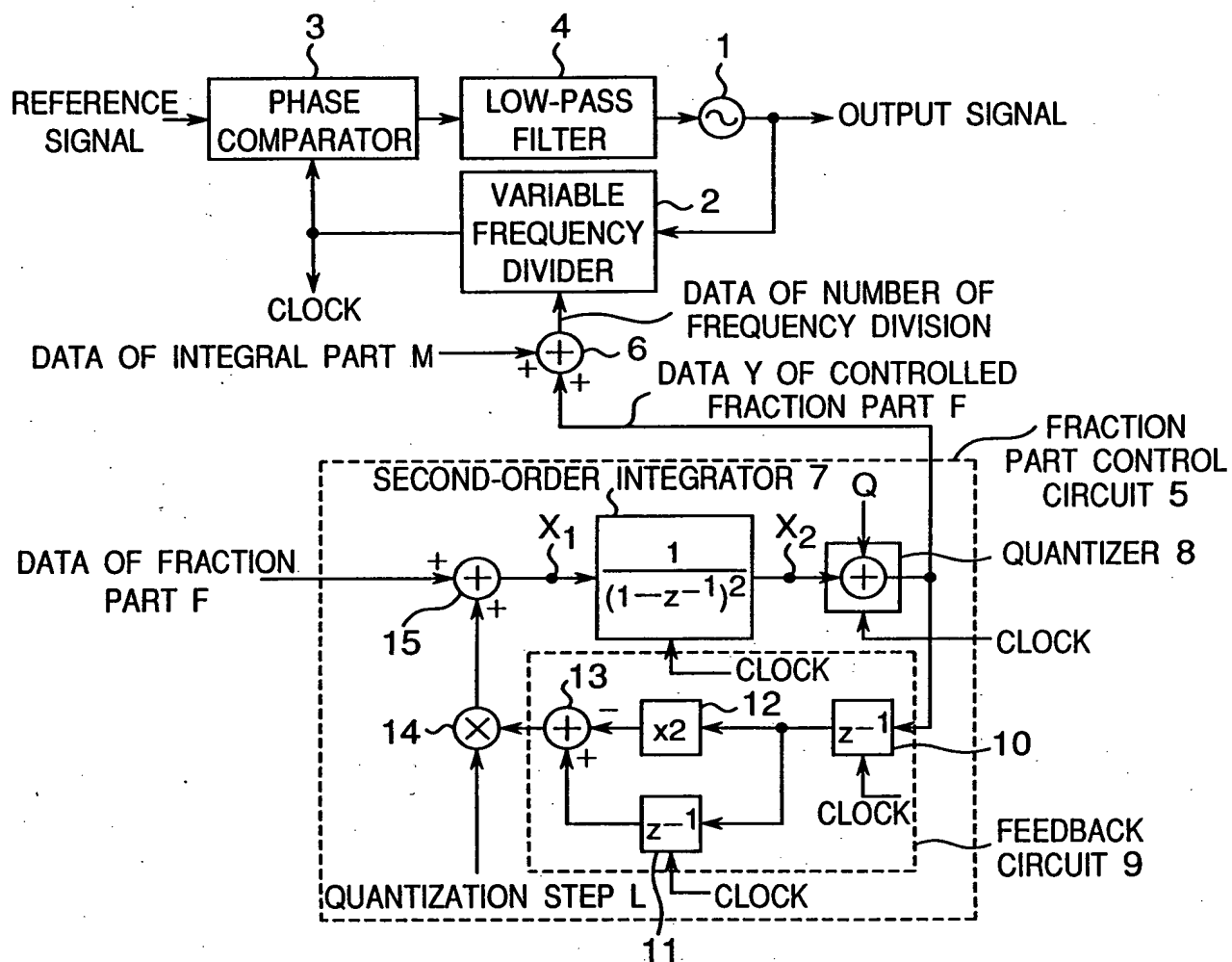
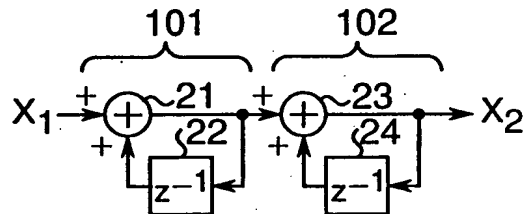


## FIRST PREFERRED EMBODIMENT FREQUENCY SYNTHESIZER APPARATUS



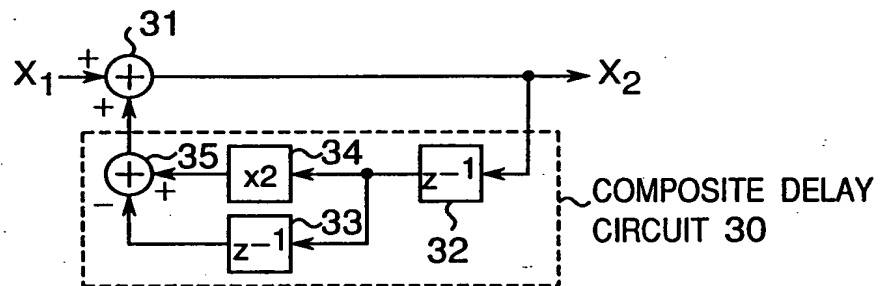
**Fig.2**

SECOND-ORDER  
INTEGRATOR 7



**Fig.3**

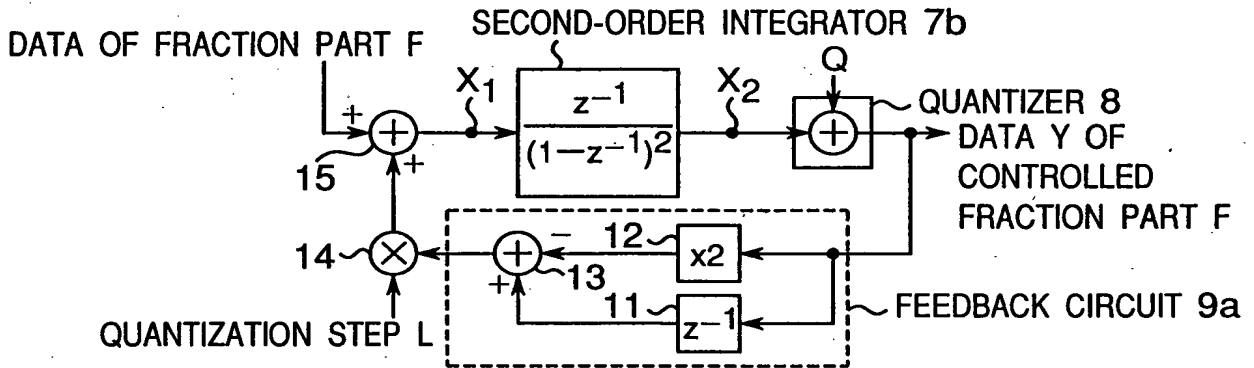
MODIFIED PREFERRED EMBODIMENT  
SECOND-ORDER  
INTEGRATOR 7a



**Fig.4**

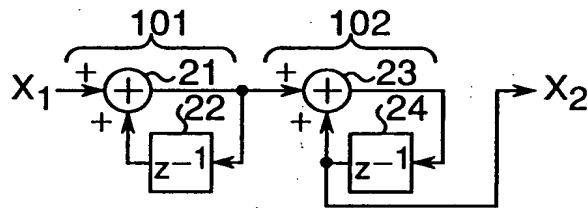
SECOND PREFERRED EMBODIMENT

FRACTION PART CONTROL CIRCUIT 5a



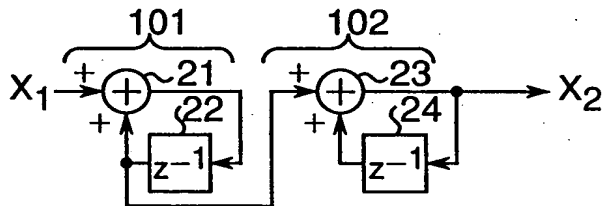
**Fig.5**

SECOND-ORDER  
INTEGRATOR 7b



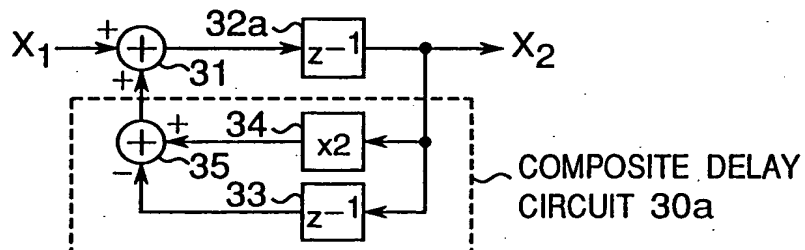
**Fig.6**

MODIFIED PREFERRED EMBODIMENT  
SECOND-ORDER  
INTEGRATOR 7c



**Fig.7**

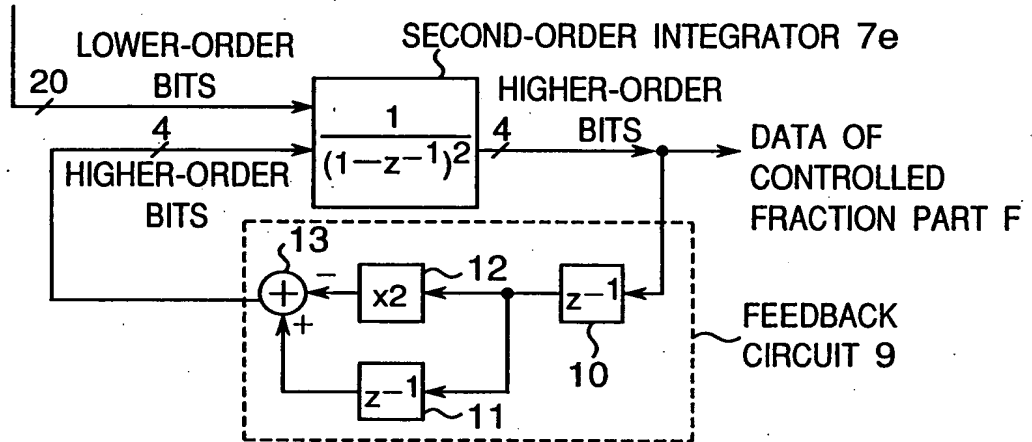
MODIFIED PREFERRED EMBODIMENT  
SECOND-ORDER  
INTEGRATOR 7d



**Fig.8**

THIRD PREFERRED EMBODIMENT  
FRACTION PART CONTROL CIRCUIT 5b

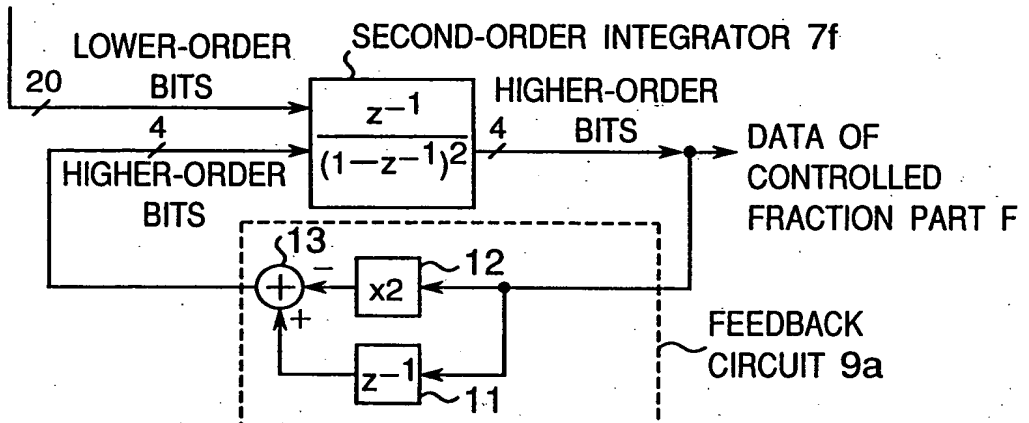
DATA OF FRACTION PART F



**Fig.9**

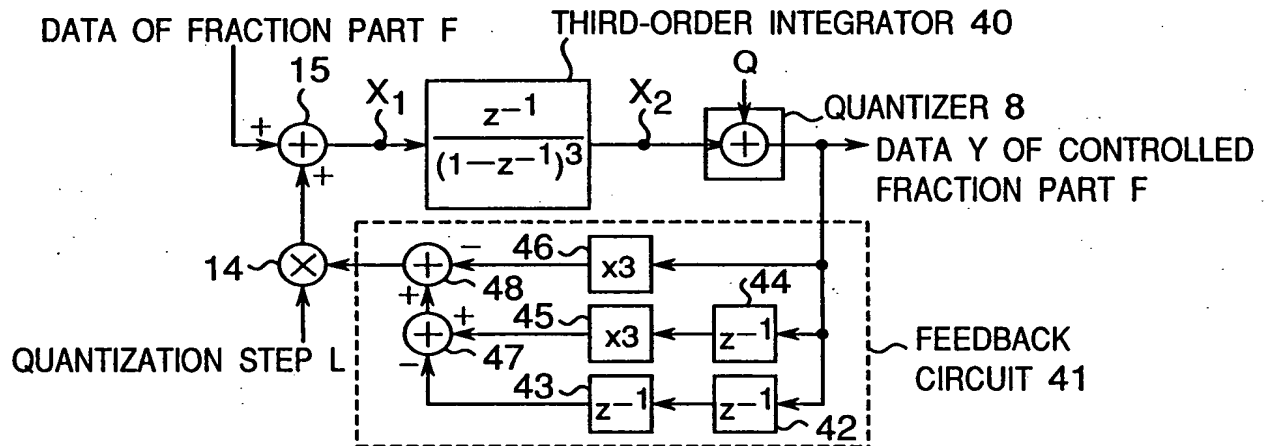
FOURTH PREFERRED EMBODIMENT  
FRACTION PART CONTROL CIRCUIT 5c

DATA OF FRACTION PART F



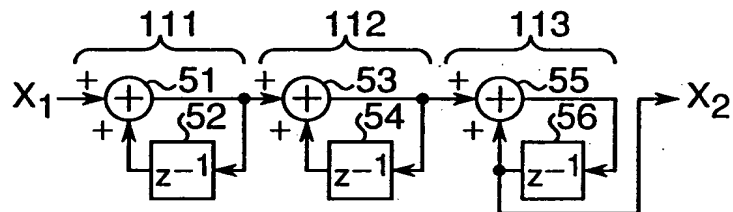
**Fig.10**

FIFTH PREFERRED EMBODIMENT  
FRACTION PART CONTROL CIRCUIT 5d



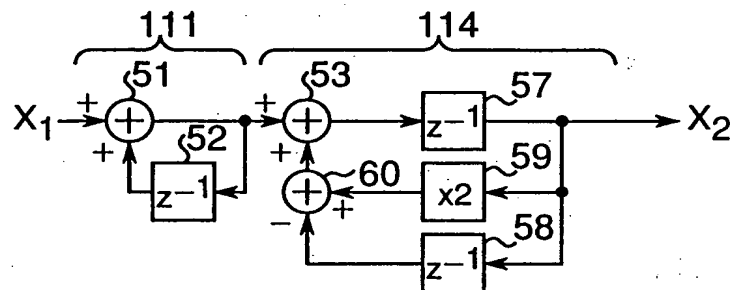
**Fig.11**

THIRD-ORDER  
INTEGRATOR 40

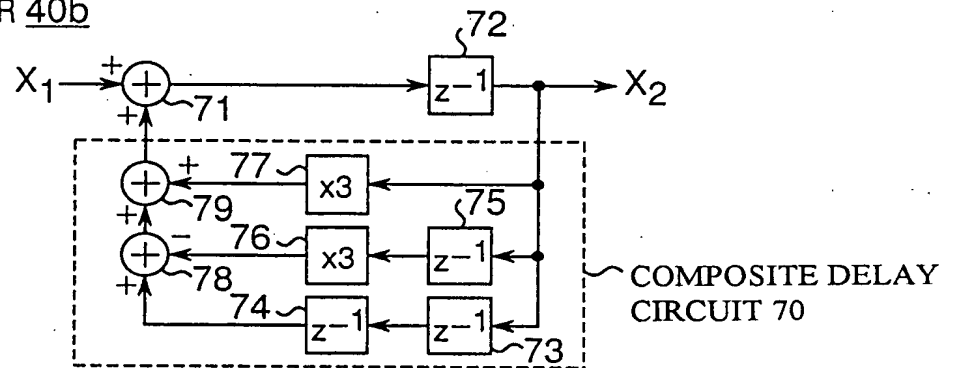


**Fig.12**

MODIFIED PREFERRED EMBODIMENT  
THIRD-ORDER  
INTEGRATOR 40a

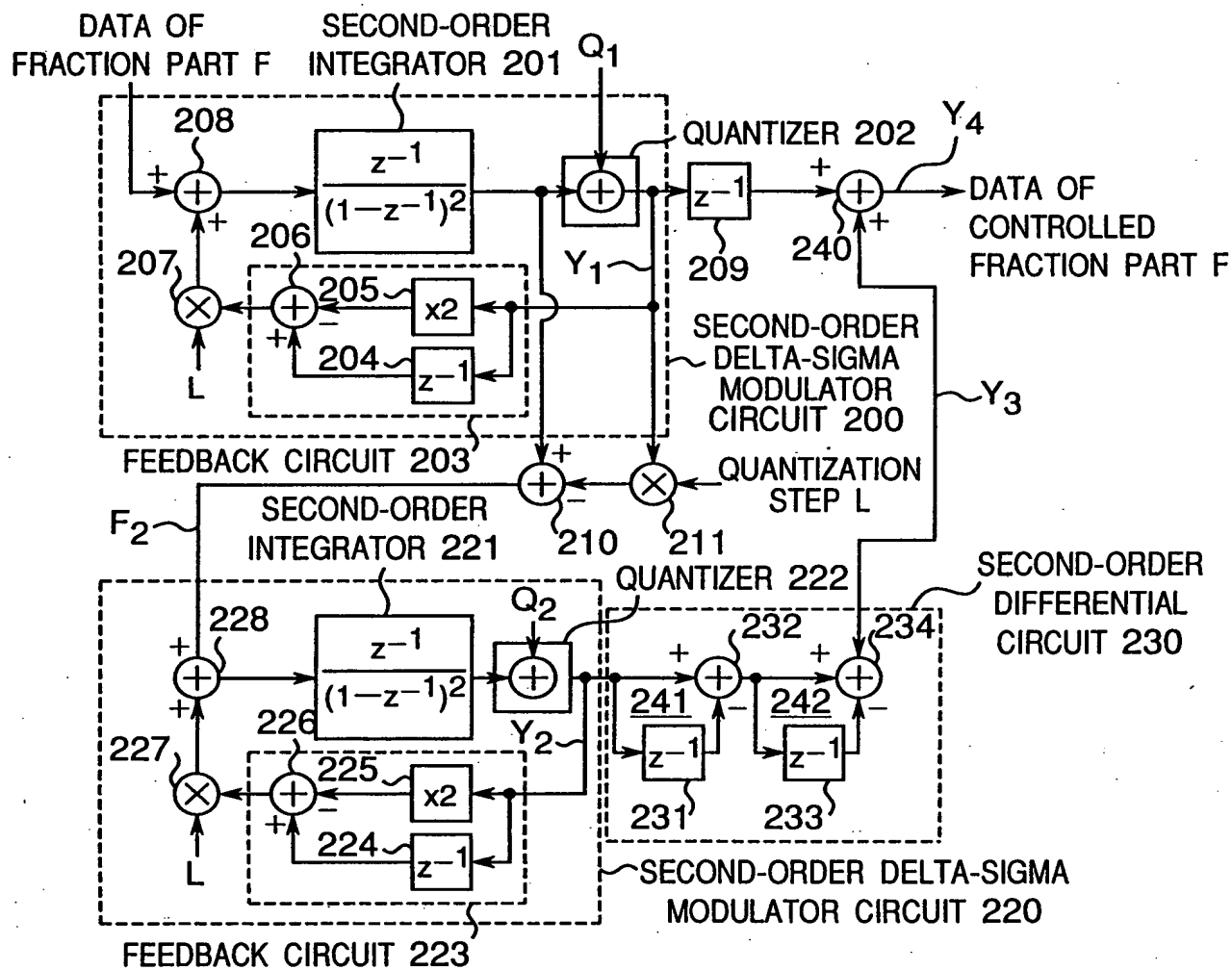


MODIFIED PREFERRED EMBODIMENT  
THIRD-ORDER  
INTEGRATOR 40b



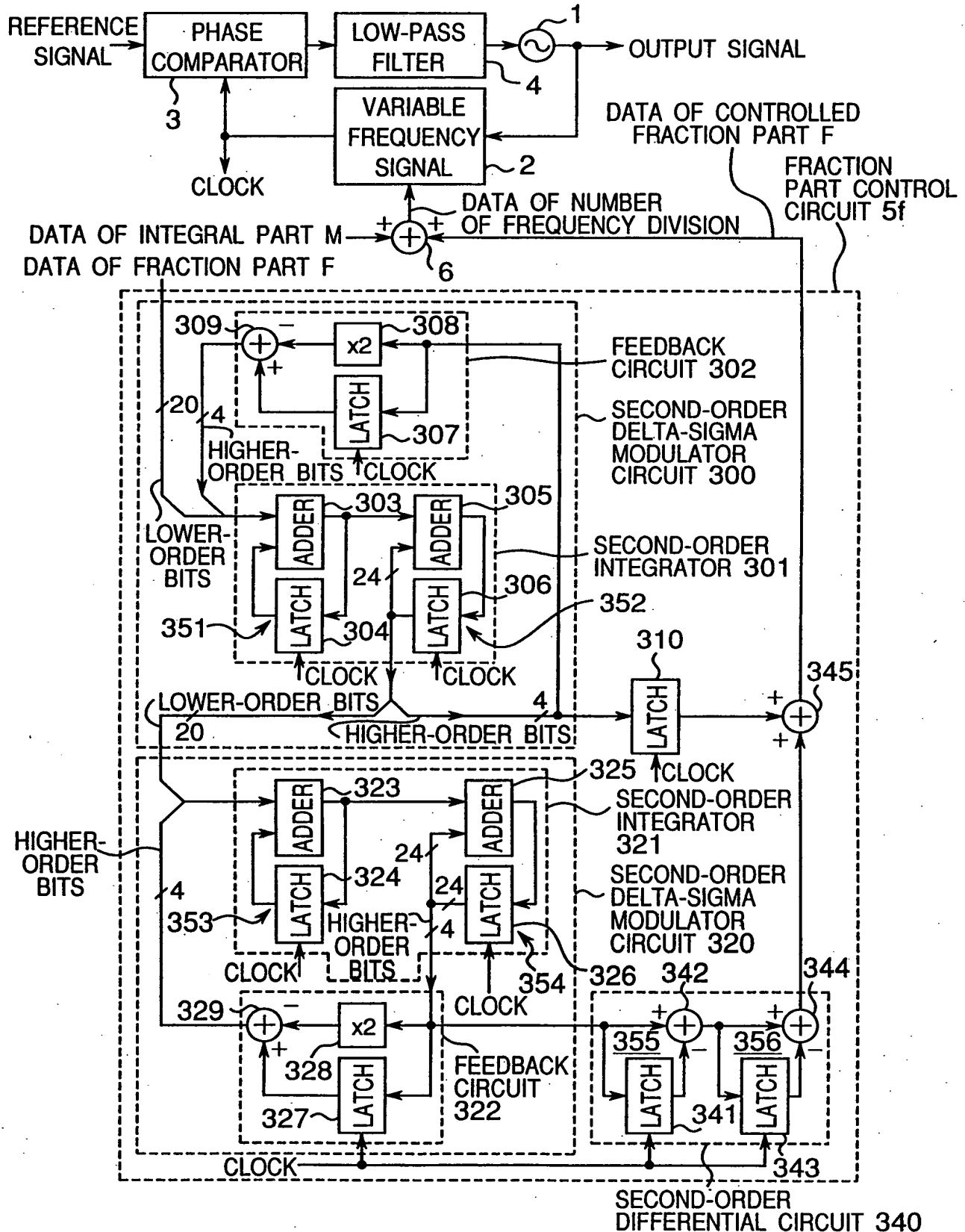
**Fig. 14**

SIXTH PREFERRED EMBODIMENT  
FRACTION PART CONTROL CIRCUIT 5e



**Fig. 15**

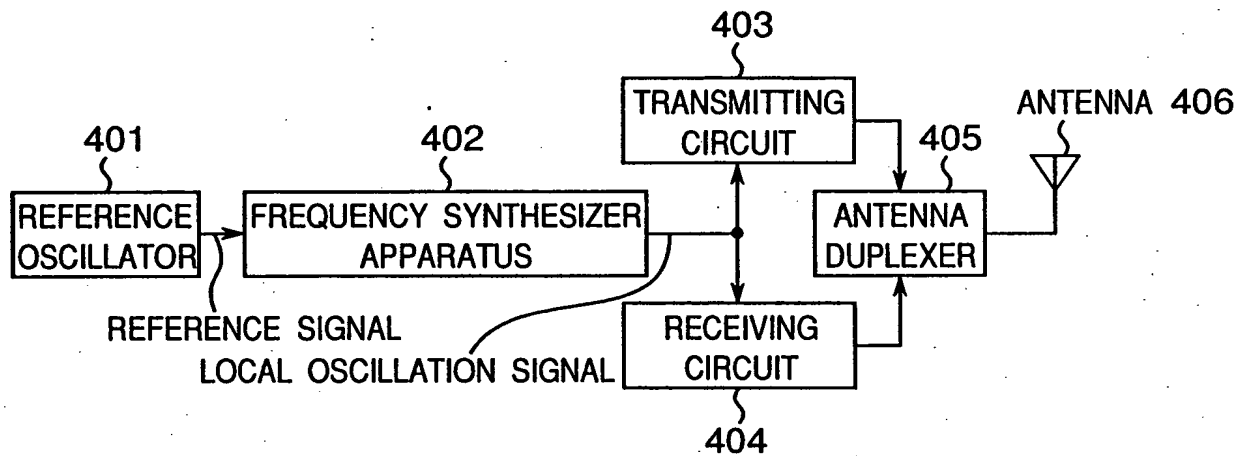
SEVENTH PREFERRED EMBODIMENT  
FREQUENCY SYNTHESIZER APPARATUS





**Fig.16**

EIGHTH PREFERRED EMBODIMENT  
RADIO COMMUNICATION APPARATUS



**Fig.17**

NINTH PREFERRED EMBODIMENT  
FREQUENCY MODULATOR APPARATUS

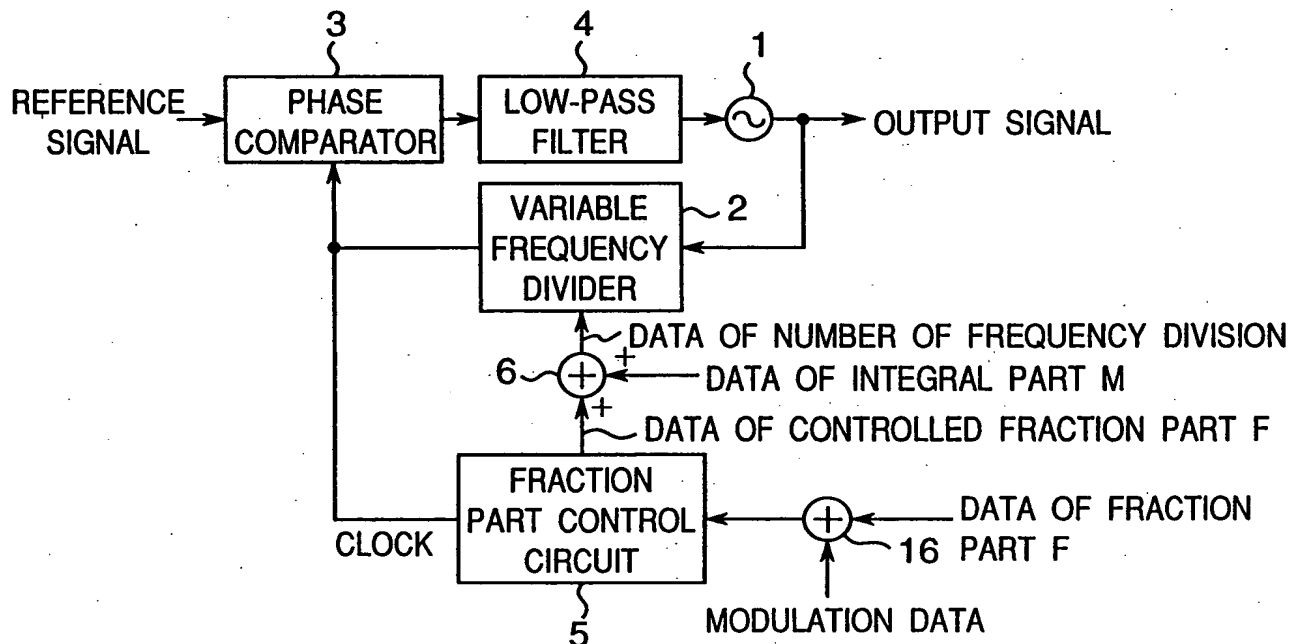
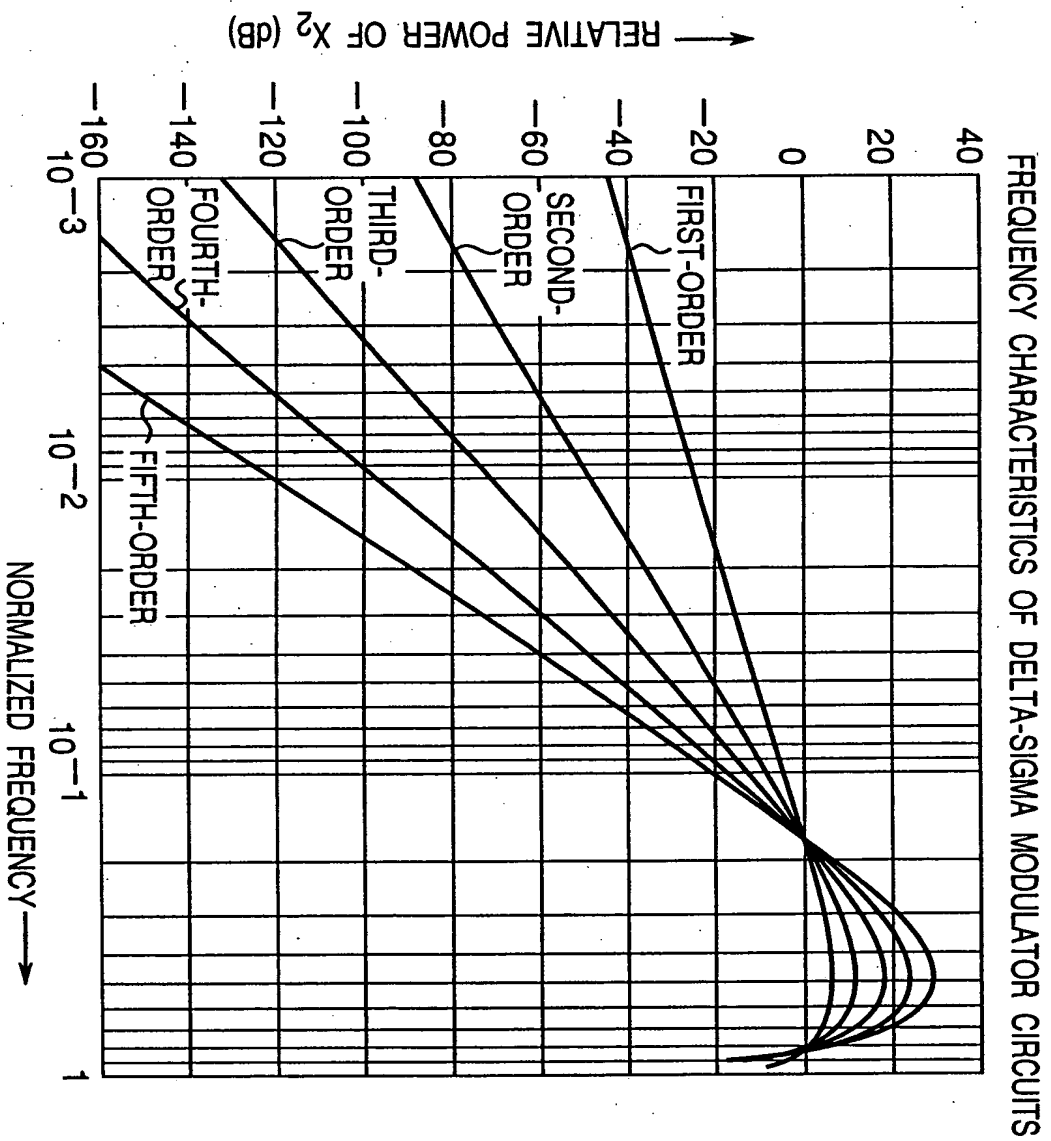
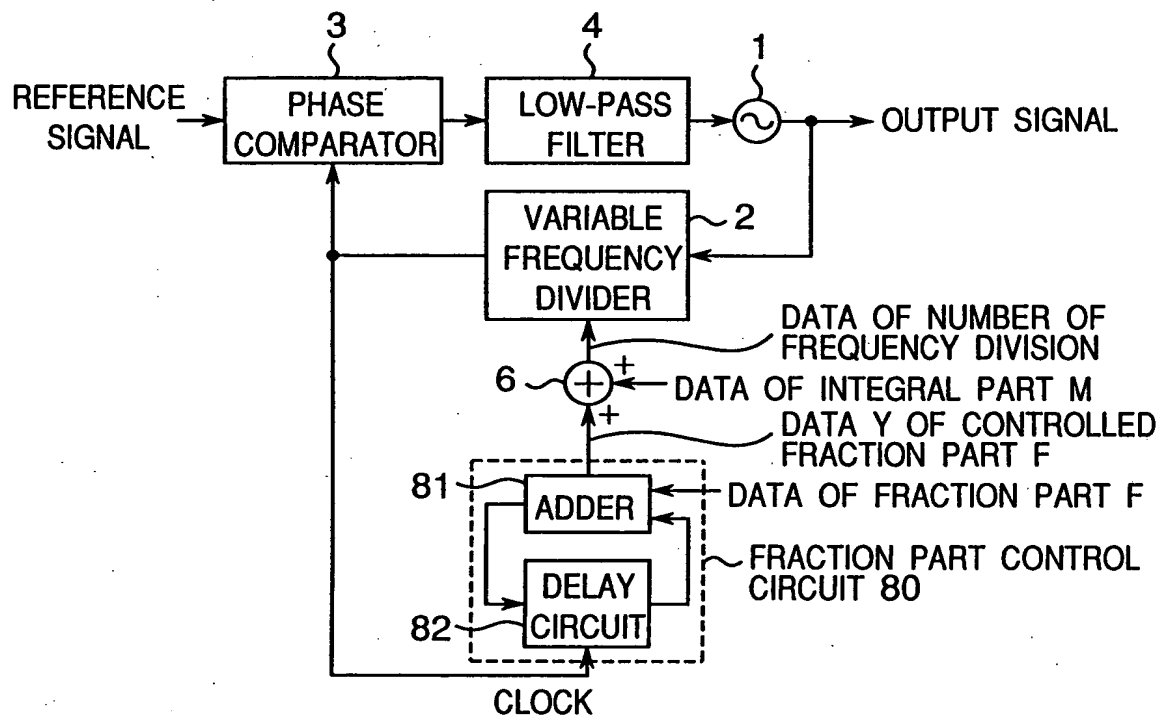


Fig. 18



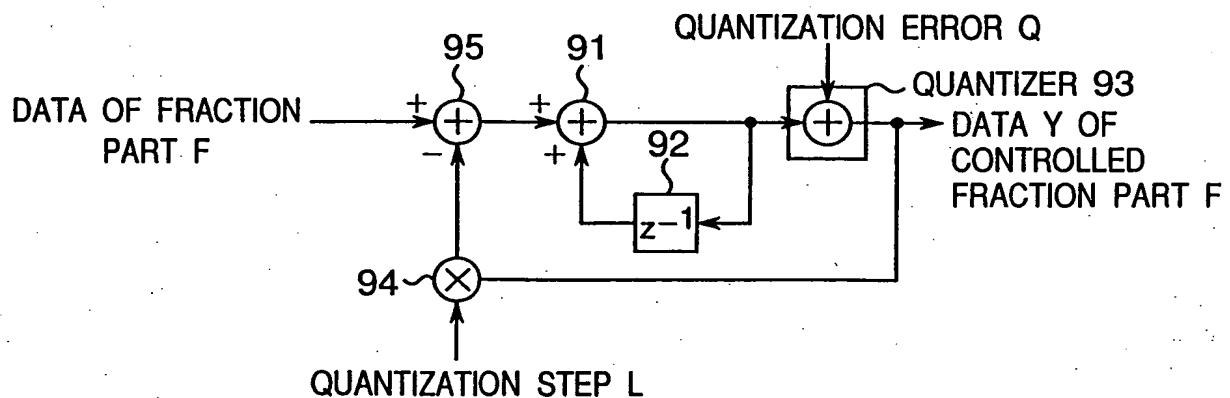
**Fig.19 PRIOR ART**

FREQUENCY SYNTHESIZER APPARATUS

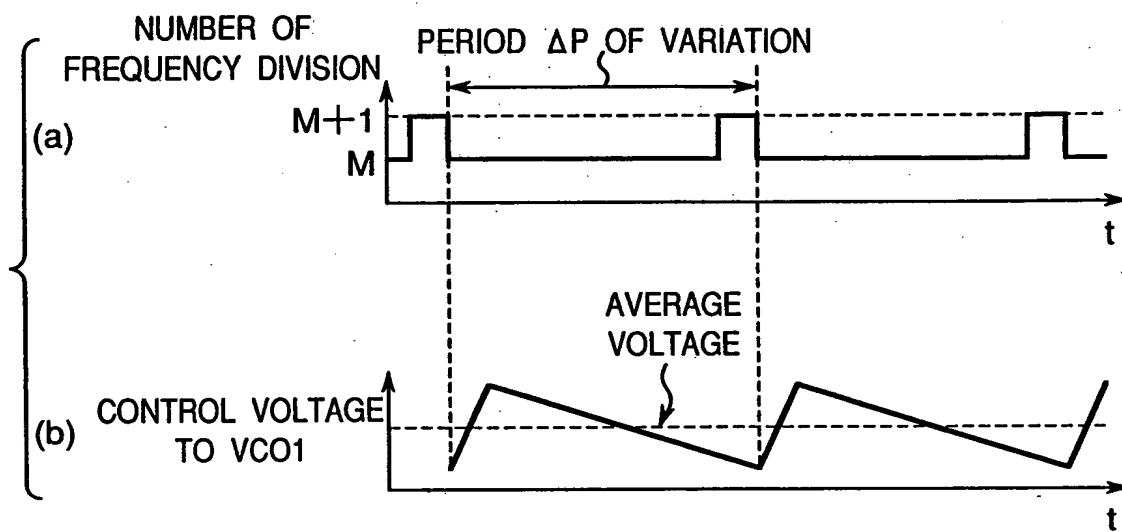


**Fig.20 PRIOR ART**

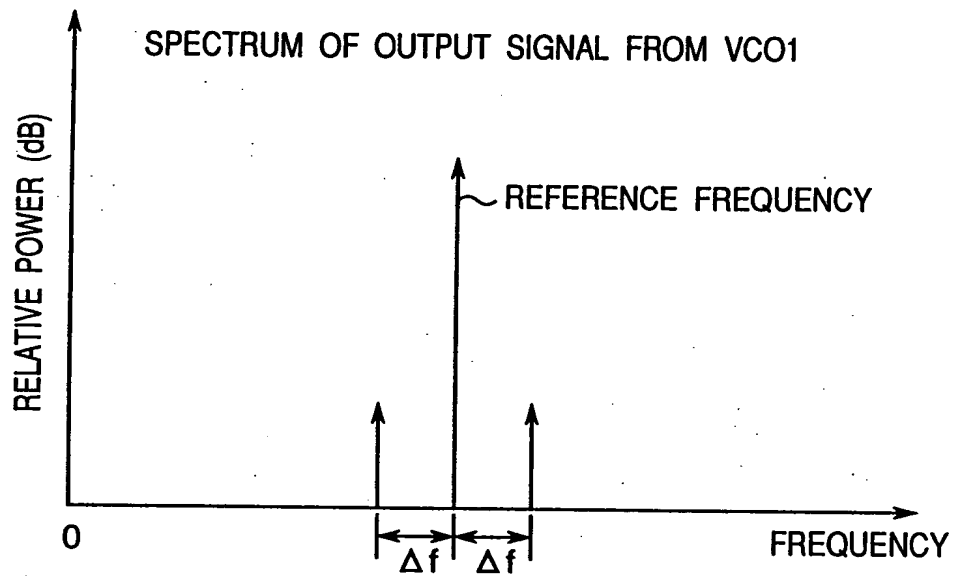
FRACTION PART CONTROL CIRCUIT 80



**Fig.21 PRIOR ART**



*Fig.22 PRIOR ART*



*Fig.23 PRIOR ART*

